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# Water Supply Outlook For Nevada



SOIL CONSERVATION SERVICE  
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

NEVADA DEPARTMENT OF CONSERVATION  
AND NATURAL RESOURCES

AS OF  
Feb. 1, 1984

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snowwater equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SPRING IS ON THE WAY.

Published by Soil Conservation Service

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland Oregon 97209.

Copies of state and local reports may also be obtained from the state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd, Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	2490 W. 26th Avenue, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	32 E. Babcock, Bozeman, Montana 59715
Nevada	P.O. Box 4850, Reno Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	100 E. "B" St., Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802-- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



# Water Supply Outlook For Nevada

AND  
**FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS**



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All Averages are for 1961 - 1980, 20 year period.



WATER SUPPLY OUTLOOK  
FOR NEVADA

SNOWPACK MEASUREMENTS

The snowpack conditions in the state have changed significantly during the last month. Snowfall during January, especially in the Sierra, was 5 to 10 percent of average. In addition, unseasonably warm weather has resulted in the melting of much of the snowpack below the 6500 foot elevation. The warm temperatures have compressed and decreased the snow depth, consequently the densities encountered during the surveys are very high for February first. The density of the snow at many of the courses is between 40 to 50 percent, which is more like those encountered April first.

The snowpack in the Tahoe, Truckee, Carson, and Walker Basins is below last year but is still above the twenty year average. The Tahoe-Truckee Basin is 122% of the 1961 to 1980 average and 80% of last year. The Carson-Walker Basin is 125% of average and 82% of last year. If no more snow or melt occurs in the next two months the snowpack April first will be about 80% of average, however with average snowfall the April first snowpack will be 115% of average.

Snowpack conditions in the northern part of the state are still above last year and well ahead of the average. The Upper Humboldt River Basin is 181% of last year and 224% of average. The Lower Humboldt River Basin is 140% of last year and 255% of average. The water content of the snowpack on January 30, 1984 at the Pole Creek Ranger Station was 21.9 inches. The twenty year average at the site was 13.3 inches and there was only 12.8 inches at the site last year. The water content at the Tremewan Ranch outside Elko was 5.6 inches on January 31, 1984. Last year there was 2.5 inches and the twenty year average is only 1.2 inches.

The eastern part of the state also has an excellent snowpack. The snowpack is 164% of last year and 178% of average. The water content at the Ward Mountain SNOTEL site on February 2, 1984 was 11.2 inches. The average for the site is 5.1 inches and there were 8.8 inches last year. The Murray Summit snow course had 5.2 inches of snow water on the site this month compared to 3.7 inches last year. Robinson Summit had 4.1 inches of snow water this year compared to 2.6 inches last year.

RESERVOIR STORAGE

Reservoir storage in the state remained above average for this time of year. The total storage of the seven major reservoirs monitored indicated that the storage is 131% of the twenty year average. Lake Tahoe as of February first was 136% of average. Lahontan Reservoir was 115% of average and Rye Patch 126%. Wildhorse

Reservoir had the highest percent of average storage at 210%. The surface elevation of Pyramid Lake rose 1.67 feet during the month and Walker Lake's elevation increased 1.90 feet since December 1, 1983. The surface elevation at Washoe Lake decreased 3 tenths of a foot during the last month.

#### STREAMFLOW FORECASTS

Streamflows in the major rivers effecting Nevada are forecasted to have above average flow for the period April through July. The Truckee River at Farad, California is forecasted at 380,000 acre-feet which is 141% of average. The Little Truckee River above Boca, California should flow 130,00 acre-feet which is 140% of average. Conditions on the Carson River will also be above average for the April through July forecast period. The Carson River near Carson City is forecasted at 255,000 acre-feet which is 140% of average. The East Walker River near Bridgeport is projected at 152% of average with 100,000 acre-feet.

Rivers in the eastern and northern part of Nevada are expected to flow well above the averages. The Humboldt River at Palisades is forecasted at 540,000 acre-feet and is 235% of average. The Owyhee River near Owyhee will produce 180,000 acre-feet which is 211% of average.

# STREAMFLOW FORECASTS (Thousand Acre Feet) as of: February 1, 1984

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All averages are for 1961-80 period.

FORECAST POINT	Forecast Period	Forecast This Year	This Year as Percent of Average	Average +
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## TRUCKEE RIVER

Truckee River at Farad, CA <u>1/</u>	April-July	380	141	273
Lake Tahoe Rise in feet (assuming gates closed)	April 1 to high	1.9	136	1.42
Little Truckee River above Boca, CA	April-July	130	140	87

## CARSON RIVER

East Carson near Gardnerville, NV	April-July	236	126	182
West Carson at Woodfords, CA	April-July	70	132	53
Carson River near Carson City, NV	April-July	255	140	183
Carson River near Fort Churchill, NV	April-July	235	142	167

## WALKER RIVER

East Walker near Bridgeport, CA <u>2/</u>	April-Aug.	100	152	69
West Walker near Little Walker near Coleville, CA	April-July	215	145	146

## HUMBOLDT RIVER

Lamoille Creek near Lamoille, NV	April-July	39	140	28
So. Fork Humboldt above Dixie Creek, NV	April-July	150	200	73
Marys River at Deeth, NV	April-July	74	200	37
N. Fork Humboldt at Devils Gate, NV	April-July	75	216	35
Humboldt River at Palisade, NV	April-July	540	235	221
Humboldt River at Comus, NV	April-July	450	260	178
Martin Creek near Paradise, NV	April-July	33	223	15

## SNAKE RIVER

Owyhee River near Gold Creek, NV <u>3/</u>	April-July	50	217	23
Owyhee River near Owyhee, NV <u>3/</u>	April-July	180	211	80

NOTE: Streamflow forecasts which appear in this Bulletin are a coordinated activity of the National Weather Service and the Soil Conservation Service.

- 1/ Observed flow plus change in storage in Boca, Stampede and Prosser Reservoirs, Donner, Independence, and Martis Creek Lakes, and minus the flow at Truckee River at Tahoe City, California.
- 2/ Observed flow plus change in storage in Bridgeport Reservoir.
- 3/ Observed flow plus change in storage in Wildhorse Reservoir.

**RESERVOIR STORAGE (Thousand Acre Feet) AS OF February 1, 1984**

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average +
Owyhee	Wildhorse	72	58	57	30
Lower Humboldt	Rye Patch	194	118	175	111
Colorado	Mohave	1,810	1,692	1,708	1,660
Colorado	Mead	26,159	24,370	23,937	17,580
Tahoe	Tahoe	745	545	592	479
Truckee	Boca	41	25	26	19
Truckee	Stampede**	222	199	202	118*
Truckee	Prosser***	30	8	9	7
Carson	Lahontan	295	222	194	214
West Walker	Topaz	59	44	42	37
East Walker	Bridgeport	42	27	28	31

\* Adjusted average.

\*\* Storage began August 1, 1969.

\*\*\* Flood Control use allocation of 20,000 acre-feet between November 1 and April 10.

**TOTAL RESERVOIR STORAGE (Thousand Acre Feet)**

MONTH	This Year	Last Year	Average +
October 1	705	1,172	786
January 1	1,211	1,070	844
February 1	1,041	1,114	920
March 1		1,089	968
April 1		1,079	1,010
Mary 1		972	1,032

The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-feet.  
 TOTAL USABLE CAPACITY 1,448

**PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)**

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average +
Peak flow forecast not issued until March 1, 1984		

**FORECAST DATE of LOW FLOW VALUES**

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recade to Low Flow Value	Average Date of Low Flow Value
Low flow forecasts not issued until March 1, 1984			

# SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD		
NAME	Elevation	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content	Last Year	Average

## TAHOE-TRUCKEE BASIN

BIG MEADOWS (CA)	8300	2/01/84	65	23.0S	26.5	--	--
BOCA #2 (CA)	5900	1/29/84	3	1.3	8.6	4.5	
BROCKWAY SUMMIT (CA)	7100	1/26/84	38	14.8	23.1	12.0	
CASTLE CREEK (CA)	7400	1/31/84	101	45.0	49.7	32.9	
CSS LAB (CA)	6900	1/30/84	69	26.7	--	--	
DONNER PARK #2 (CA)	6000	1/29/84	17	5.4	16.6	10.7	
DONNER SUMMIT (CA)	6900	1/30/84	61	27.8	40.6	24.5	
ECHO PEAK (CA)	7800	1/26/84	85	38.5	36.4	27.0	
ECHO SUMMIT (CA)	7450	1/31/84	67	22.2	31.4	22.2	
FALLEN LEAF (CA)	6300	1/26/84	7	3.3	11.0	6.1	
FORDYCE LAKE (CA)	6500	1/31/84	53	24.4	44.5	24.1	
FREEL BENCH (CA)	7300	1/26/84	21	8.5	11.8	8.6	
FURNACE FLAT (CA)	6700	1/31/84	68	31.8	48.0	29.6	
GLENBROOK #2	6900	1/28/84	21	8.0	16.5	7.6	
HAGANS MEADOW (CA)	8000	1/26/84	45	17.0	18.1	12.2	
HEAVENLY VALLEY (CA)	8850	1/20/84	65	26.4	27.2	17.4	
INDEPENDENCE CAMP CA	7000	1/24/84	39	14.5	18.1	14.6	
INDEPENDENCE CREEK	6500	1/25/84	19	6.7	12.9	8.9	
INDEPENDENCE LAKE CA	8450	1/24/84	98	38.0	33.0	25.9	
LAKE LUCILLE (CA)	8200	1/25/84	106	41.0E	--	--	
LITTLE VALLEY	6300	1/31/84	90	3.4E	4.1	4.6	
MARLETTE LAKE	8000	1/26/84	56	21.5	23.4	14.0	
MT. ROSE	9000	1/31/84	91	36.3S	30.9	19.9	
MT. ROSE SKI AREA	9000	1/27/84	99	39.7	42.2	28.6	
RICHARDSONS #2 (CA)	6500	1/28/84	27	9.4	15.7	10.7	
RUBICON #1 (CA)	8100	1/25/84	100	39.0E	--	33.0	
RUBICON #2 (CA)	7500	1/26/84	62	24.4	31.5	19.8	
SAGEHEN CREEK (CA)	6500	1/25/84	32	11.3E	19.4	11.5	
SQUAW VALLEY #2 (CA)	7500	1/26/84	108	45.7	44.0	31.7	
SQUAW VALLEY G.C., CA	8200	1/27/84	104	49.8	45.8	33.5	
TAHOE CITY CROSS(CA)	650	1/26/84	35	13.4	24.4	13.3	
TRUCKEE #2 (CA)	6400	1/26/84	23	7.6	19.0	9.7	
TRUCKEE, UPPER (CA)	6400	1/26/84	14	5.3	9.0	7.0	
WARD CREEK #2 (CA)	7000	1/26/84	78	32.8	37.5	26.2	
WARD CREEK #3 (CA)	6750	1/26/84	66	26.5	34.8	23.1	

## CARSON-WALKER BASIN

BLUE LAKES (CA)	8000	1/25/84	78	28.9	33.3	26.2	
CARSON PASS, UP (CA)	8600	1/27/84	73	32.3	33.1	21.9	
CENTER MOUNTAIN (CA)	9400	1/25/84	90	31.8	38.1	22.1	
CLEAR CREEK	7300	1/31/84	28	11.1E	10.2	7.2	
EBBETTS PASS #2 (CA)	8700	1/25/84	85	33.7	33.5	25.6	
FISH VALLEY,UP AM,CA	8050	1/25/84	38	9.6	16.0	10.0	
LEAVITT LAKE (CA)	9400	1/25/84	106	42.1	46.8	29.3	
LEAVITT MEADOWS (CA)	7200	1/25/84	15	4.8	11.4	6.5	
LOBDELL LAKE (CA)	9200	1/25/84	44	13.8	18.6	11.7	
MONITOR PASS AM(CA)	8350	1/25/84	40	13.1	20.0	--	

+1961-1980, 20 year period.

# SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR		PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content
				Last Year	Average +

## CARSON-WALKER BASIN (Cont.)

POISON FLAT #2 (CA)	7900	1/25/84	32	10.5	19.3	11.5
SAWMILL RIDGE (CA)	8750	1/25/84	45	14.2	19.8	13.2
SONORA PASS (CA)	8800	1/25/84	58	22.8	26.7	16.1
SPRATT CREEK (CA)	6080	1/25/84	7	2.5	9.0	6.0
TIOGA PASS (CA)	9900	1/31/84	67	26.8E	--	17.2
WET MEADOWS #2 (CA)	8100	1/25/84	87	32.0	35.2	25.4
VIRGINIA LAKES RIDGE	9200	1/25/84	45	15.0	17.2	9.8
WET MEADOWS #2 (CA)	8100	1/25/84	87	32.0	35.2	25.4
WILLOW FLAT (CA)	8250	1/25/84	25	9.3	14.3	7.2
WOLF CREEK AM (CA)	8000	1/25/84	60	22.8	32.4	20.7

## NORTHERN GREAT BASIN

BALD MOUNTAIN AM	6720	1/26/84	20	6.2A	3.6	.9
BARBER CREEK (CA)	6500	1/27/84	42	15.8	10.7	8.3
CEDAR PASS (CA)	7100	1/25/84	48	17.2S	--	10.6
DISASTER PEAK	6500	2/01/84	54	18.3S	14.4	7.6
DISMAL SWAMP #2 (CA)	7000	2/01/84	89	29.4A	--	16.0
FORTY-NINE MOUNTAIN	6000	1/30/84	20	6.5	4.5	2.7
HAYS CANYON	6400	1/21/84	14	4.0	--	2.8
LITTLE BALLY MTN. AM	6000	1/26/84	12	4.1A	--	2.2
RESERVATION CREEK	5900	1/30/84	43	16.8	--	8.0

## SNAKE RIVER

BEAR CREEK	7800	2/01/84	68	22.4E	14.8	13.6
FOX CREEK	6800	2/01/84	36	12.3E	--	--
GOAT CREEK	8800	1/30/84	59	20.6	10.9	11.9
HUMMINGBIRD SPRINGS	8950	1/30/84	71	26.0E	--	--
JAKES CREEK AM	7000	1/26/84	28	9.6	5.1	--
MERRIT MOUNTAIN AM	7000	1/26/84	36	12.2	4.7	4.2
POLE CREEK R.S.	8330	1/30/84	59	21.9	12.8	13.3
SEVENTYSIX CREEK	7100	2/01/84	55	18.3E	9.9	7.8
STAG MOUNTAIN AM	7700	1/26/84	38	12.5	6.7	3.7

## OWYHEE RIVER

BIG BEND	6700	2/01/84	30	10.2E	6.7	6.1
COLUMBIA BASIN AM	6650	1/26/84	54	18.4	8.6	6.9
FAWN CREEK AM	7050	1/26/84	58	19.7	14.6	7.8
FAWN CREEK #2	7050	2/01/84	62	21.0S	--	--
GOLD CREEK	6600	2/01/84	15	8.0E	4.6	3.9
JACK CREEK, LOWER	7250	2/01/84	14	4.7E	--	--
JACK CREEK, UPPER	7250	2/01/84	34	11.2E	8.8	4.2
JACK CREEK #2, UPPER	7280	2/01/84	66	21.7S	19.8	--
JACKS PEAK	8420	2/01/84	85	27.2E	20.3	15.6
LAUREL DRAW	6700	1/01/84	---	13.6E	7.1	5.7
TAYLOR CANYON	6200	1/31/84	32	12.1	6.7	4.0

+1961-1980, 20 year period.

# SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content Last Year	Average +

## UPPER HUMBOLDT RIVER

AMERICAN BEAUTY AM	7800	1/26/84	52	17.2	9.1	6.5
CORRAL CANYON	8500	2/01/84	53	18.1E	11.1	9.5
DORSEY BASIN	8100	2/01/84	57	18.8E	11.9	8.0
DRAW CREEK #2	7450	2/01/84	52	17.6S	--	--
DRY CREEK	6500	2/01/84	25	9.1E	6.2	5.2
FRY CANYON	6700	1/31/84	34	12.0	7.7	5.2
GREEN MOUNTAIN	8000	2/01/84	63	21.3E	11.6	7.4
HARRISON PASS #1	6600	2/01/84	30	12.1E	--	--
HARRISON PASS #2	7400	2/01/84	35	14.0E	--	--
LAMOILLE #1	7100	1/30/84	38	11.8	8.5	5.7
LAMOILLE #3	7700	1/30/84	49	16.5	9.0	8.1
LAMOILLE #5	8700	1/30/84	78	31.8	16.4	17.1
POLE CANYON #2	7700	2/01/84	64	25.5E	--	--
ROBINSON LAKE AM	9200	1/26/84	120	49.2	17.7	19.9
RODEO FLAT	6800	1/31/84	39	13.0	8.4	4.1
RYAN RANCH	5800	1/31/84	13	5.0E	--	--
SMITH CREEK	7700	2/01/84	47	18.7E	--	--
TENT MIN, LOWER AM	7000	1/26/84	41	12.3	9.8	--
TENT MIN, UPPER AM	8350	1/26/84	79	32.4	15.5	--
TREMEWAN RANCH	5700	1/31/84	18	5.6	2.5	1.2
TROUT CREEK, LOWER	6900	1/30/84	14	5.7E	--	--
TROUT CREEK, UPPER AM	8500	2/01/84	73	21.9E	16.1	12.0

## LOWER HUMBOLDT RIVER

BIG CREEK CAMPGROUND	6600	2/01/84	14	4.9E	--	--
BIG CREEK MINE	7600	2/01/84	26	8.8E	--	--
BIG CREEK SUMMIT	8700	2/01/84	68	23.1S	18.0	--
BIG CREEK, UPPER	7800	2/01/84	50	17.0E	--	--
BUCKSKIN, LOWER	6700	2/01/84	37	12.2E	8.5	5.3
BUCKSKIN, UPPER	8200	2/01/84	47	15.7E	--	--
GOLCONDA #2	6000	2/01/84	28	9.4E	12.0	1.3
GRANITE PEAK	7800	1/31/84	61	20.1E	16.2	11.4
LAMANCE CREEK	6000	2/01/84	49	15.8E	7.0	6.2
MARTIN CREEK	6700	1/31/84	33	11.3E	--	--
MIDAS	7200	1/26/84	30	10.2	6.1	2.1
SNOWSTORM MOUNTAIN	7420	1/26/84	52	17.7	11.7	--
TOE JAM AM	7700	1/26/84	48	16.3	10.1	6.7

## WESTERN NEVADA

BERRY CREEK	9100	1/30/84	19	6.4	12.8	9.3
HOLE-IN-MOUNTAIN	7900	2/01/84	96	31.8S	8.5	13.3
MURRAY SUMMIT	7250	1/25/84	21	5.2	3.7	--
ROBINSON SUMMIT	7600	1/26/84	18	4.1	2.6	--
WARD MOUNTAIN #2	9200	2/01/84	33	11.2S	8.8	5.1

## LOWER COLORADO RIVER

LEE CANYON #2	9000	1/26/84	13	33.7	11.2	--
LEE CANYON #3	8500	1/26/84	8	2.6	9.1	--

SNOWTEL PROVISIONAL/depth estimated  
ESTIMATED

## SNOW COURSE MEASUREMENTS

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR		PAST RECORD	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)
				Last Year	Average +

DESERT RESEARCH INSTITUTE MEASUREMENTSTAHOE-TRUCKEE BASIN

Alder Creek	6,960	01/27/84	68.0	29.7	41.7	----
Apollo Way	7,300	01/28/84	23.0	11.3	20.5	----
Bennett Flat	6,200	01/27/84	24.0	8.3	18.5	----
Brockway Summit	7,200	01/27/84	46.0	16.6	26.8	----
Cabin Creek	6,540	01/27/84	24.0	9.5	19.9	----
Clear Creek	5,800	01/29/84	0	0	1.6	----
Cliff Ranch, Franktown	5,250	01/29/84	2.0	0.8	1.5	----
Davis Creek	5,160	01/29/84	0	0	1.3	----
Evergreen Hills Road	5,700	01/28/84	2.0	1.1	4.6	----
Fuller Lake	6,200	01/29/84	3.0	1.4	0	----
Galena Creek	7,440	01/28/84	50.0	17.7	----	----
Hennessee Past Jct.	6,410	01/27/84	26.0	9.7	17.5	----
Hobart Mill	5,850	01/27/84	13.0	6.0	13.4	----
Incline Creek	6,235	01/28/84	0	0	5.6	----
Jones Creek	6,000	01/28/84	5.0	1.9	5.2	----
Joy Lake	6,000	01/29/84	2.0	0.9	2.8	----
Jct. 395 & NV 27	4,590	01/28/84	0	0	T	----
Lancer	5,110	01/28/84	0	0	0.3	----
Little Valley	6,540	01/29/84	11.0	4.8	----	----
Mount Rose Resort	8,280	01/28/84	78.0	30.4	34.6	----
North Star Fire Dept.	6,320	01/27/84	10.0	3.9	12.4	----
RNR Forestry Site	6,400	01/28/84	20.0	7.1	12.3	----
Reindeer Lodge	7,060	01/28/84	26.0	9.4	19.4	----
Relay Station Tram	9,660	01/28/84	101.0	44.7	----	----
Sagehen Creek	6,340	01/27/84	20.0	8.3	----	----
Sky Tavern	7,620	01/28/84	47.0	20.1	25.2	----
Spooner Summit	7,260	01/29/84	33.0	13.6	18.7	----
Squaw Valley Fire Dept.	6,240	01/27/84	16.0	8.6	25.2	----
Tahoe City	6,240	01/27/84	22.0	8.8	16.8	----
Tahoe Meadows	8,540	01/28/84	92.0	38.0	44.8	----
Tamarack Lake	8,820	01/28/84	70.0	28.8	34.6	----
Third Creek	8,000	01/28/84	61.0	25.8	31.6	----
Thunder Cliff	6,200	01/27/84	18.0	7.9	18.5	----
Truckee-Tahoe Airport	5,900	01/27/84	0	0	8.3	----
Whites Creek	5,670	01/28/84	0	0	2.1	----

T. - TRACE

# PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Last Year	This Year	Last Year	February 1 Average
<u>TAHOE-TRUCKEE</u>							
Fallen Leaf (CA)	6,240	2/1/84	.40	7.6	14.3	36.4	20.0
Hagan's Meadow (CA)	8,000	2/1/84	1.70	5.6	22.9	19.4	15.1
Heavenly Valley (CA)	8,800	2/1/84	.70	7.2	23.4	25.5	17.6
Marlette Lake	8,000	2/1/84	1.30	7.2	26.0	27.3	17.6
Mount Rose	9,000	2/1/84	1.20	6.3	26.8	27.3	18.4
Rubicon #2 (CA)	7,500	2/1/84	1.30	7.9	34.0	33.2	28.0
Squaw Valley Gold Coast (CA)	7,800	2/1/84	1.40	8.1	52.9	42.3	49.2
Tahoe City Cross (CA)	6,750	2/1/84	1.10	7.1	31.6	27.7	27.4
Truckee #2 (CA)	6,400	2/1/84	.80	7.4	27.5	25.6	23.5
Ward Creek #3 (CA)	6,750	2/1/84	.90	11.7	63.5	48.2	38.7
<u>CARSON-WALKER</u>							
Blue Lakes (CA)	8,000	2/1/84	.80	9.9	32.0	40.3	30.4
Ebbetts Pass (CA)	8,700	2/1/84	1.00	11.0	37.4	44.1	27.0
Leavitt Meadows (CA)	7,200	2/1/84	.50	6.6	26.6	26.0	23.5
Lobdell Lake (CA)	9,200	2/1/84	1.00	6.5	16.7	21.5	12.5
Sonora Pass Bridge (CA)	8,800	2/1/84	1.00	8.8	28.2	32.1	18.2
Spratt Creek (CA)	6,080	2/1/84	.60	7.0	26.4	29.0	20.7
Virginia Lakes Ridge (CA)	9,200	2/1/84	1.30	7.6	18.9	23.0	3.7
Wet Meadows #2 (CA)	8,050	2/1/84	.70	10.0	37.1	38.6	26.3
<u>HUMBOLDT</u>							
Big Creek Summit	8,700	2/1/84	2.00	5.7	18.1	14.1	6.6
Buckskin, Lower	6,700	2/1/84	.80	3.5	18.3	12.5	11.9
Corral Canyon	8,500	2/1/84	3.60	4.8	20.1	15.1	10.9
Dorsey Basin	8,100	2/1/84	2.40	3.8	26.2	16.1	12.7
Draw Creek	7,220	2/1/84	1.20	—	18.1	—	—
Granite Peak	7,800	2/1/84	3.60	3.3	—	17.2	15.0
Green Mountain	8,000	2/1/84	2.20	4.8	26.9	16.7	16.6
Lamance Creek	6,000	2/1/84	.60	3.3	25.5	15.1	—
Lamoille #3	7,700	2/1/84	2.10	3.4	25.1	14.1	11.1
<u>SNAKE-OWYHEE</u>							
Bear Creek	7,800	2/1/84	2.90	3.0	23.9	14.4	13.8
Big Bend	6,700	2/1/84	1.00	1.6	13.3	7.5	8.0
Goat Creek	8,800	2/1/84	3.00	1.6	23.3	9.4	14.2
Jack Creek #2, Upper	7,250	2/1/84	1.60	3.2	18.9	15.0	12.7
Jacks Peak	8,420	2/1/84	2.80	5.3	24.4	22.5	27.5
Laurel Draw	6,700	2/1/84	.70	2.3	22.7	11.9	12.9
Pole Creek Ranger Station	8,330	2/1/84	2.30	1.5	15.3	8.4	9.4
Seventy-Six Creek	7,100	2/1/84	2.10	1.8	18.5	10.0	9.9
Taylor Canyon	6,200	2/1/84	1.30	1.1	15.1	4.6	5.7
<u>EASTERN NEVADA</u>							
Berry Creek	9,100	2/1/84	1.20	3.4	12.7	11.4	9.8
Diamond Peak	8,040	2/1/84	—	—	—	—	—
Hole-in-Mountain	7,900	2/1/84	2.70	3.0	32.0	13.6	25.4
Ward Mountain	8,900	2/1/84	1.00	3.6	11.6	12.8	10.2
<u>NORTHERN NEVADA</u>							
Cedar Pass (CA)	7,100	2/1/84	1.40	2.4	25.3	17.4	—
Disaster Peak	6,500	2/1/84	1.10	2.7	20.0	14.2	12.3
Dismal Swamp #2 (CA)	7,050	2/1/84	.70	5.7	29.9	27.6	—

# PRECIPITATION (Inches)

For January 1984 - NATIONAL WEATHER SERVICE, RENO, NEVADA

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	Elevation	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Month's Precip.	Last Year	*Normal	This Year	Last Year	*Normal
<u>TRUCKEE-TAHOE</u>							
Boca	5,575	0.30	5.83	4.34	18.73	22.57	12.24
Glenbrook	6,350	0.16	4.79	4.23	12.18	17.96	10.52
Incline Village	6,550	0.31	5.49	5.02	19.92	23.51	11.71
Reno	4,404	0.36	1.72	1.21	5.29	6.12	3.40
Sierraville	4,975	0.89	6.15	5.31	23.48	24.00	15.96
Tahoe City	6,230	0.73	6.49	6.78	22.27	26.23	19.24
Truckee Ranger Station	5,995	0.44	5.82	6.67	24.91	25.60	18.60
<u>CARSON-WALKER</u>							
Bridgeport Ranger Station	6,560	0.10	2.80	2.33		10.03	6.55
Carson City	4,651	0.47	2.96	2.27	9.04	10.16	6.54
Fallon Experiment Station	3,965	0.17	0.99	.42	3.26	4.08	1.57
Hawthorne	4,215	0.17	0.79	.37	1.28	2.07	1.45
Minden	4,720	0	3.10	1.47	1.42	7.99	4.50
Twin Lakes	7,829	0.89	11.26	9.58		37.12	26.68
Woodfords	5,971	0.38	5.56	3.92	17.56	21.58	12.08
Yerington	4,375	0.78	0.88	.57	3.13	3.09	2.08
<u>HUMBOLDT</u>							
Austin	6,605	0.80	3.49	.89	8.54	7.16	3.89
Battle Mountain	4,530	0.04	0.39	.62	2.87	2.95	2.74
Deeth	5,338	0.64	2.14	1.13	8.32	7.14	3.22
Elko	5,075	0.57	1.73	1.16	8.75	5.48	3.96
Emigrant Pass	5,755	0.46	2.03	1.42	8.04	5.94	4.71
Jiggs	5,760	0.53	2.50	1.02	10.69	6.28	4.03
Lamoille	5,800	0.54	N/A	1.43	7.19		6.20
Lovelock FAA	3,900	0.35	0.68	.49	4.15	3.45	1.80
North Fork	6,600	0.38	0.90				
Paradise Valley	4,675	0.15	1.47	1.04	9.40	5.73	5.26
Wells	5,650	0.23	1.02	1.02	7.62	3.99	4.02
Winnemucca	4,301	0.11	1.19	.97	5.65	4.31	3.53
<u>SNAKE-Owyhee</u>							
Contact	5,365	0.21	0.80	.95	6.25	3.09	2.77
Mountain City	5,620	0.36	0.54	*	8.72	4.50	*
Owyhee	5,396	0.37	1.15	1.41	9.17	5.71	5.39
Tuscarora	6,170	0.28	1.90	1.67	10.32	8.06	5.69
<u>EASTERN NEVADA</u>							
Arthur	6,280	0.81	1.62	1.68	13.23	7.18	5.78
Ely	6,253	0.36	1.41	.64	3.27	4.18	2.61
Montello	4,880	0.08	1.12	.52	3.31	3.39	2.34
Fequop	6,030	0.37	1.01	*	7.06	4.68	*
Ruby Lake	6,012	1.00	1.86	1.22	10.80	5.65	4.94
<u>NORTHERN GREAT BASIN</u>							
Alturas Ranger Station	4,400	0.81	0.61	1.71	11.50	5.44	5.97
Cederville	4,670	0.15	0.42	1.82		4.76	7.55
Ft. Bidwell	4,498		1.37	2.41		8.65	8.01
Orovada	4,310	0.20	1.06	1.22	6.73	3.76	4.40
Susanville	4,148	0.11	3.11	2.78	10.64	10.33	8.27
<u>CENTRAL GREAT BASIN</u>							
Tonopah	5,426	0.04	0.92	.30	1.85	3.04	1.31
<u>LOWER COLORADO RIVER</u>							
Caliente	4,402	0.26	1.13	.76		3.62	3.19
Las Vegas	2,162	T	0.43	.45	0.79	1.79	1.47
Pioche	6,165	0.16	2.45	1.47	2.97	6.17	5.00
Bishop	4,118	T	1.82	1.20	2.53	6.04	3.09

\* Not Available

T Trace

Normals are for 30 year period  
of 1941-1970.

## **AGENCIES COOPERATING IN COLLECTING DATA CONTAINED IN THIS BULLETIN**

### **FEDERAL**

Agricultural Research Service  
Bureau of Reclamation  
Fish and Wildlife Service  
Forest Service  
Geological Survey  
Soil Conservation Service  
U.S. District Court - Federal Water Master  
NOAA, National Weather Service

### **STATE**

California Cooperative Snow Surveys  
California Department of Parks and Recreation  
California Department of Water Resources  
Colorado River Commission of Nevada  
Idaho Cooperative Snow Surveys  
Nevada Association of Conservation Districts  
Nevada Department of Conservation & Natural Resources  
Division of Water Resources  
Nevada State Forester  
Division of Conservation Districts  
Oregon Cooperative Snow Surveys  
University of Nevada, Desert Research Institute  
Utah Cooperative Snow Surveys

### **PRIVATE**

Amalgamated Sugar Company  
Kennecott Copper Corporation  
Nevada Irrigation District  
Owyhee Project North Board of Control  
Owyhee Project South Board of Control  
Pacific Gas and Electric Company  
Pershing County Water Conservation District  
Sierra Pacific Power Company  
Truckee - Carson Irrigation District  
Walker River Irrigation District  
Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

UNITED STATES DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
P.O. BOX 4850  
RENO, NEVADA 89505  
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## FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Furnishes the basic data  
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domestic and municipal water  
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"The Conservation of Water begins  
with the Snow Survey"

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